ABSTRACT

A method of depositing a layer (6) of highly oxidation and fatigue resistant MCrAlY-coating by an electroplated process has been described. A relative thin coating on an industrial gas turbine component was applied with a thickness control of ±20 μm of the thickness of the applied layer (6) on gas turbine articles (1). The said MCrAlY coatings comprise an addition of (wt.-%) 0.01 to 3 %Fe. In addition to Fe the MCrAlY coatings may contain 0,5-2.5% Si, 0-1.5% Hf, 0.01-0.2% Zr and 0-2%Ta, alone or in combination.

(Fig. 2)